

Appendix A

PENDING CLAIMS

1. A collection of particles in a powder comprising crystalline zinc oxide, the collection of particles having an average diameter less than about 95 nm and a distribution of particle sizes such that at least 95 percent of the particles have a diameter greater than about 40 percent of the average diameter and less than about 160 percent of the average diameter.
2. A collection of particles in a powder comprising zinc oxide, the collection of particles having an average diameter less than about 45 nm.
3. The collection of particles of claim 1 wherein the collection of particles have an average diameter from about 5 nm to about 25 nm.
4. The collection of particles of claim 1 wherein effectively no particles have a diameter greater than about four times the average diameter of the collection of particles.
5. The collection of particles of claim 1 wherein effectively no particles have a diameter greater than about three times the average diameter of the collection of particles.
7. The electrical resistor component comprising the collection of particle of claim 1.
8. The electrical resistor component of claim 7 wherein the component is a varistor.
9. The electrical resistor component of claim 8 wherein the varistor has a non-linear voltage dependence.

25. The collection of particles of claim 1 wherein effectively no particles have a diameter greater than about two times the average diameter of the collection of particles.
26. The collection of particles of claim 1 wherein at least 95 percent of the particles have ratios of the dimension along the major axis to the dimension along the minor axis less than about 2.
27. The collection of particles of claim 1 wherein the zinc oxide has a stoichiometry of ZnO.
28. The collection of particles of claim 1 wherein the zinc oxide has a stoichiometry of ZnO₂.
29. The collection of particles of claim 1 wherein the zinc oxide has a Zincite crystal structure.
30. The electrical resistor component of claim 7 further comprising metal/silicon oxide particles selected from the group consisting of Bi₂O₃, Sb₂O₃, SiO₂, Co₂O₃, and MnO₂.